

PAD AND CODEC DETECTION

ABSTRACT OF THE DISCLOSURE

A Digital Impairment detection scheme which is designed for providing reliable estimate of digital impairments such as PAD, and CODEC type in the presence of digital impairments such as Robbed Bit Signalling and non G.711 complaint network CODECs and
5 analog impairments such as IMD, noise and changing line conditions. This estimate is used to derive optimum transmit symbol constellations for a modem connected digitally to a trunk so as to maximize its data transmission rate.